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> 6/17/2010 Date

# BUREAU OF PUBLIC WATER SUPPLY CALENDAR YEAR 2009 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

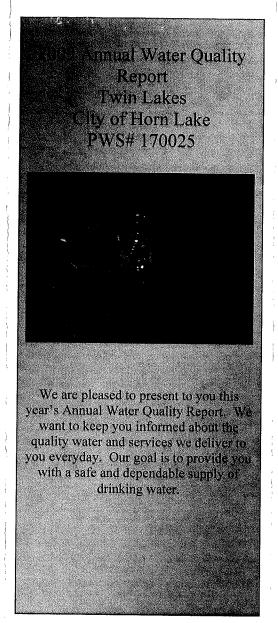
	Twin Lakes						
	Public Water Supply Name						
	170025						
	List PWS ID #s for all Water Systems Covered by this CCR						
report (	deral Safe Drinking Water Act requires each <i>community</i> public water system to develop and distribute a consumer confidence (CCR) to its customers each year. Depending on the population served by the public water system, this CCR must be mailed to tomers, published in a newspaper of local circulation, or provided to the customers upon request.						
Please .	Answer the Following Questions Regarding the Consumer Confidence Report						
	Customers were informed of availability of CCR by: (Attach copy of publication, water bill or other)						
	Advertisement in local paper On water bills Other						
	Date customers were informed:/						
	CCR was distributed by mail or other direct delivery. Specify other direct delivery methods:						
	Date Mailed/Distributed: 6 / 17 / 10						
	CCR was published in local newspaper. (Attach copy of published CCR for proof of publication)						
	Name of Newspaper:						
	Date Published:/						
	CCR was posted in public places. (Attach list of locations)						
	Date Posted://						
	_ CCR was posted on a publicly accessible internet site at the address: www						
<u>CERT</u>	<u>TIFICATION</u>						
and ma	y certify that a consumer confidence report (CCR) has been distributed to the customers of this public water system in the form nner identified above. I further certify that the information included in this CCR is true and correct and is consistent with the quality monitoring data provided to the public water system officials by the Mississippi State Department of Health, Bureau of						

Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215 Phone: 601-576-7518

Public Water Supply.

Mana Medil Dip. Open to Tions
Vame/Title (President, Mayor, Owner, etc.)

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## Twin Lakes Consumer Confidence Report

#### Is my water safe?

Last year, as in years past, your tap water met all U.S. Environmental Protection Agency (EPA) and state drinking water health standards. The City of Horn Lake vigilantly safeguards the water supplies and once again we are proud to report that our system has not violated a maximum contaminant level or any other water quality standard.

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#### Where does my water come from?

In 2009 our water department distributed 55,619,784 gallons of water to our customers. Our water is groundwater pumped from a natural underground aquifer, the Sparta Aquifer. The water is drawn by wells.

#### Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

#### Source water assessment and its availability

Source Water Assessment Program was conducted by the Department of Environmental Quality under contract from the Mississippi Department of Health. The results of the report are

http://landandwater.deq.ms.gov/swap/reports/report.aspx?id=017

The susceptibility assessment ranking for each well is:

- -PWS ID: 170025, Source ID: 1, Susceptibility: Higher
- -PWS ID: 170025, Source ID: 2, Susceptibility: Moderate
- -PWS ID: 170025, Source ID: 3, Susceptibility: Moderate -PWS ID: 170025, Source ID: 4, Susceptibility: Moderate

## Conservation Tips

- Repair household leaks.
- -Use water saving shower heads, faucets, toilets and appliances. -Wash only full loads of clothes or dishes.

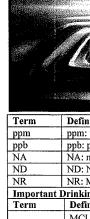
### Additional Information for Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The City of Horn Lake is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing for \$10 per sample. Please contact 601.576.7582 if you wish to have your water tested.

## Water Quality Data Table

The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

	MCLG	MCL,								
Contouri	or MDDLC	TT, or	Your	Range		Sample	X72 - 1	Trustial Co.		
Contaminants	MRDLG	MRDL	Water	Low	<u>High</u>	<u>Date</u>	<u>Violation</u>	Typical Source		
Inorganic Contaminants										
Cyanide [as Free Cn] (ppb)	200	200	5	5	5	2008	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.		
Antimony (ppb)	6	6	0.500	0.500	0.500	2008	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.		
Arsenic (ppb)	0	10	0.251	0.251	0.251	2008	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.		
Barium (ppm)	2	2	0.0457	0.0457	0.0457	2008	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.		
Beryllium (ppb)	4	4	0.100	0.100	0.100	2008	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries.		
Cadmium (ppb)	5	5	0.100	0.100	0.100	2008	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints.		
Chromium (ppb)	100	100	0.500	0.500	0.500	2008	No	Discharge from steel and pulp mills; Erosion of natural deposits.		
Fluoride (ppm)	4	4	0.109	0.109	0.109	2008	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.		
Mercury [Inorganic] (ppb)	2	2	0.200	0.200	0.200	2008	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland.		
Selenium (ppb)	50	50	0.500	0.500	0.500	2008	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.		
Thallium (ppb)	0.5	2	0.500	0.500	0.500	2008	No	Discharge from electronics, glass, and leaching from ore- processing sites; drug factories.		
Nitrate [measured as Nitrogen] (ppm)	10	10	< 0.02	< 0.02	< 0.02	2009	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.		
Nitrite [measured as Nitrogen] (ppm)	1	1	< 0.05	< 0.05	< 0.05	2009	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.		
Copper (ppm)	1.3	1.3=AL	0.06 (90 <sup>th</sup> percentile)	All sites below AL		2007	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.		
Lead (ppb)	0	15=AL	1.31 (90 <sup>th</sup> percentile)	All sites below AL		2007	No	Corrosion of household plumbing systems; Erosion of natural deposits.		
Chlorine <sup>2</sup> (ppm)	MRDLG = 4	MRDL=4	1.27	1.05	1.60	2009	No	Water additive used to control microbes.		
Haloacetic Acids (HAA5) (ppb)	NA	60	0.0 (HAA5)	0.0	0.0	2008	No	Byproduct of drinking water chlorination.		
Total Trihalo- Methane (ppb)	0	80	0.0 (TTHM)	0.0	0.0	2008	No	Byproduct of drinking water chlorination.		



Term	Defin
ppm	ppm:
ppb	ppb: p
NA	NA: r
ND	ND: I
NR	NR: N
Important l	
Term	Defin
	MCL
MCLG	level
MCLG	there
	allow
	MCL
MCL	level
MCL	water
	feasi
	TT: T
TT	inten
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Twin Lakes

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